

2 Williams Street  
Chelsea, MA 02150  
( 617 ) 889 - 6515



## INSPECTORATE

## QUALITY CERTIFICATE

Vessel	"Sample and Analysis"	Port	New Bedford, MA	Report	036207
Customer	Sprague Energy	Date	March 29, 2007	Reference	
Operation	Analysis	Terminal	Sprague New Bedford	Sample #	1133961

Name of material being tested  
Description of sample source  
Samples Drawn by (company)  
Samples Tested by (company)

**1.0% No 6 Fuel Oil**

Shore Tank # 3 After Discharge  
Inspectorate  
Inspectorate

Tests being Performed	Test method	Sample Results		
Gravity API @ 60F / Density	D - 4052	11.9	/	0.9869
Flash Point, PMCC, F	D - 93		196	
Viscosity cSt @ 122F	D - 445		331.3	
Viscosity SSF @ 122F	D - 2161		156.4	
Pour Point C / F	D - 97		3 / 37	
Sulfur, Wt%	D - 4294		0.848	
Water and Sediment, Vol %	D - 1796		0.010	
Sediment by Extraction, Wt%	D - 473		0.05	
Water by Distillation, Vol%	D - 95		0.01	
Gross Heat of Combustion, BTU / lb	D - 240		18,502	
Gross Heat of Combustion, BTU / gal	D - 240		152,045	
Ash, wt %	D - 482		0.04	
Vanadium, ppm	D - 5863B		19	
Sodium, ppm	D - 5863B		8	
Ashphaltenes, wt%	IP - 143		0.41	
Conradson Carbon Residue	D - 189		7.75	
Aluminum, ppm	D - 5184		21	
Silicon, ppm	D - 5184		18	
<p>SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.</p>				

\*\* Annotates Analysis Contracted Out

\*\*\* Annotates Loadport information- this test was not performed by Inspectorate